

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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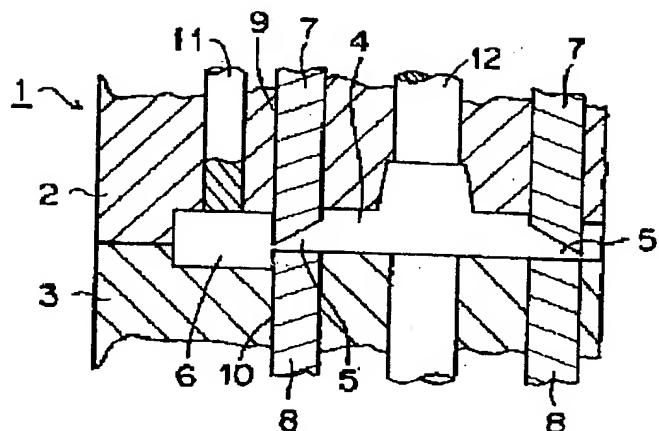
APPLICATION DATE : 30-07-91  
APPLICATION NUMBER : 03214764

APPLICANT : OMRON CORP;

INVENTOR : HASHIZUME SHINICHI;

INT.CL. : B29C 45/26 B29C 33/38

TITLE : MOLDING DIE



ABSTRACT : PURPOSE: To improve resistance to corrosion and resistance to wear at a gate where deterioration is severest in a molding tool and reduce the repairing cost when the gate is deteriorated.

CONSTITUTION: A runner molding section 4 and a cavity 6 are cut directly on top and bottom forces 2 and 3. A gate 5 is composed of a couple of removable pin-shaped gate split molds 7 and 8 provided in pin-inserting holes 9 and 10 of the top and bottom forces 2 and 3. That is, the gate 5 is constituted of recessed sections formed on the end faces of gate split molds 7 and 8. Surface treatment is applied on the end faces of gate split molds 7 and 8 forming the gate 5 by the ion-implantation deposition process.

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